

**Abstract**

The invention relates to a transmission/heat exchanger unit (1) characterized by a transmission (2) comprising an input (E) and at least one output (A) and a heat exchanger (3), which is assigned to the output side of the transmission (2) and is connected to said transmission at least indirectly via connecting lines (7,8). The invention is also characterized by the following features: a duct or ducts (4.1, 4.2) routing fuel, which is/are integrated in the case (6) of the transmission (2) and extend(s) at least over part of the axial extent of the case (6) to the end face of the transmission (2) on the output side; a retaining device (5) for fastening the heat exchanger (3) to the end face of the case (6) of the transmission (2) on the output side; the connecting lines (7, 8) that couple the fuel-routing duct or ducts in the transmission (2) and the heat exchanger (3) are integrated in the retaining device (5); complementary connections of a standard type and size, which are located on the retaining device and the transmission case (6) for fuel routing and for fastening the retaining device (5).